(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 24 June 2004 (24.06.2004)

PCT

(10) International Publication Number WO 2004/053682 A1

(51) International Patent Classification⁷: 17/60, 3/00

G06F 7/00.

(21) International Application Number:

PCT/US2003/039709

(22) International Filing Date:

12 December 2003 (12.12.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 60/432,805

12 December 2002 (12.12.2002) US

(71) Applicant (for all designated States except US): BUNN-O-MATIC CORPORATION [US/US]; 1400 Stevenson Drive, Springfield, IL 62703 (US).

(72) Inventor; and

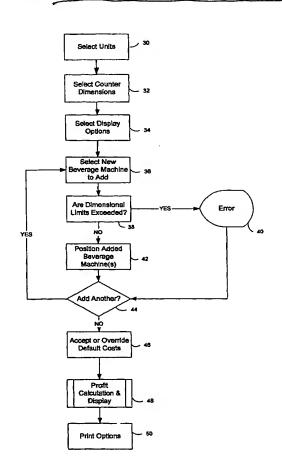
(75) Inventor/Applicant (for US only): THOMPSON,

Thomas [US/US]; 3303 South Park Avenue, Apartment 4, Springfield, IL 62703 (US).

- (74) Agents: PETERS, Grant, H. et al.; Barnes & Thornburg, P.O. Box 2786, Chicago, IL 60690-2786 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,

[Continued on next page]

(54) Title: VIRTUAL BEVERAGE BAR DESIGN AND ANALYSIS SYSTEM



(57) Abstract: A system, method and computer program product for planning an arrangement of beverage equipment on a virtual surface or counter. The system allows a user to create a virtual surface of chosen dimension (32) and then select one or more beverage machines (36) to place on that surface while verifying that there is sufficient open space for the selected beverage machine (38). Also disclosed is a method of determining projected profit (48) based on the selection of beverage machines, entered values related to costs, and entered values related to serving size and pricing. The system reports on projected profits and/or how long the equipment needs to be operated to pay off the equipment's cost.